

Abstract

The invention relates to an automatic application system for self-adhesive protective film to vehicle bodies according to [1]. In order to improve this system with regard to the investment costs with a simultaneous increase in productivity, according to the invention two separate application stations are provided, of which one application station contains two pairs and the other contains one pair of stationary industrial robots arranged opposite each other for the joint handling and application of one piece of film in each case. As a result, it is possible to stick all the body parts simultaneously within the cycle time. In each case, one robot of a pair of robots contains in its robot tool the holder for a supply roll and a cutting device, whereas the opposite application robot of this pair of robots carries a suction strip. For the accurate-contour perforation of a stretched-out piece of film, the latter is moved along a stationary perforating tool. Arranged close to the robot is a magazine for a plurality of supply rolls, from which the application robot automatically picks up a supply roll as required. The supply rolls are relatively small and contain the film needed for about 100 to 200 application procedures. Each supply roll is provided with a disposable core of hard paperboard or plastic.

(Figure 2)